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Datasheet for 600-401-ED1

RUSC2 Antibody

Overview

Description:	Anti-RUSC2 (RABBIT) Antibody - 600-401-ED1
Item No.:	600-401-ED1
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	RUSC2, also known as Iporin, shares with the related protein RUSC1 a common domain structure of RUN, leucine zipper and SH3 domain in addition to over 30% amino acid identity. RUSC2 is a rab1-interacting protein that also interacts with GM130, another rab1-interacting protein. RUSC2 interacts with specific rab1 isoforms with different rab-binding specificity. It has been suggested that RUSC2 may function as a link between the targeting of ER derived vesicles triggered by the rab1 GTPase and a signaling pathway composed of proteins containing SH3 and/or poly-proline regions.
Synonyms:	RUSC2 Antibody, Iporin, KIAA0375, Iporin, Interacting protein of Rab1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RUSC2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RUSC2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the C-terminus of human RUSC2.

Purity/Specificity:	Anti-RUSC2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms are known to exist; this antibody will only detect the longest isoform. This antibody is predicted to not cross-react with RUSC1.
Relevant Links:	• UniProtKB - Q8N2Y8 • GeneID - 9853

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-RUSC2 Antibody has been tested for use in ELISA, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 161 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000
IHC:	5 µg/mL

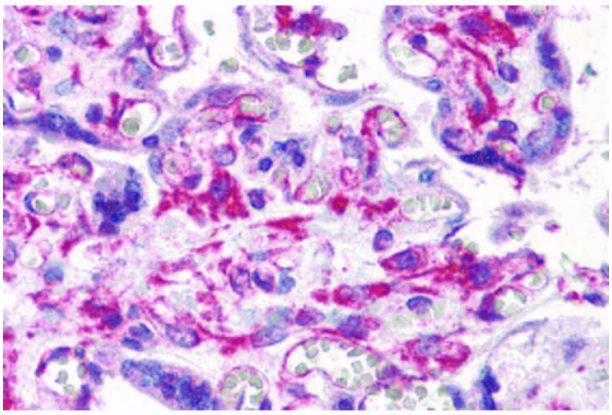
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of RUSC2 antibody. Tissue: human placenta tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: RUSC2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RUSC2 is cytoplasmic. Staining: RUSC2 as precipitated red signal with purple nuclear counterstain.

Disclaimer

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